

? t 2/5/all

2/5/1

DIALOG(R)File 347:JAPIO

(c) JPO & JAPIO. All rts. reserv.

02621266

ORGANIC ELECTRONIC ELEMENT MATERIAL

PUB. NO.: 63-238166 [JP 63238166 A]
PUBLISHED: October 04, 1988 (19881004)
INVENTOR(s): ISODA SATORU
KAMIYAMA TOMOTSUGU
KAWAKUBO HIROAKI
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 62-073347 [JP 8773347]
FILED: March 26, 1987 (19870326)
INTL CLASS: [4] C08L-101/00; C08G-061/10; C08G-061/12; H01L-029/28
JAPIO CLASS: 14.2 (ORGANIC CHEMISTRY -- High Polymer Molecular Compounds);
42.2 (ELECTRONICS -- Solid State Components)
JOURNAL: Section: C, Section No. 563, Vol. 13, No. 39, Pg. 132,
January 27, 1989 (19890127)

ABSTRACT

PURPOSE: To obtain an organic electronic element material having anisotropy of electrical conduction controllable at molecular level, by using a functional molecule containing a functional group having electron-transmission ability in the molecule and transmitting electron between the functional groups according to a quantum mechanical tunneling mechanism.

CONSTITUTION: The objective organic electronic element substance is composed of a functional molecule containing plural functional groups having electron transmission ability in the molecule and disposed in a manner that electron can be transmitted between the functional groups or composed of plural number of functional molecules each having one functional group and disposing the compounds in a manner that electron can be transmitted between said functional groups. The functional group is an oxidation-reduction substance selected from porphyrin derivatives, phthalocyanine derivatives, isoalloxazine derivatives, viologens and organometallic complexes. The skeleton of the functional molecule is a polymeric compound, a fatty acid or a cyclic organic compound.

? b 347

07aug95 17:44:24 User031970 Session D2351.3

Sub account: A-58762/7010/JPB

\$1.32 0.011 Hrs File348

\$1.32 Estimated cost File348

\$0.13 TYMNET

\$1.45 Estimated cost this search

\$7.22 Estimated total session cost 0.038 Hrs.

File 347:JAPIO OCT 1976-1995/FEB.

(c) JPO & JAPIO

Set	Items	Description
-----	-------	-------------

---	-----	-----
-----	-------	-------

? s pn=jp 63238166
S2 1 PN=JP 63238166